CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER: 75-366

APPROVED DRAFT LABELING

marge

Final Printed Labeling

USŲAL DOSAGE: accompanying literature for Complete prescribing information.

Store at controlled room temperature 15°-30°C (59°-86°F). Store in a dry place. Keep tightly closed. Avoid excessive heat.

Dispense contents with a child-resistant closure (as required) and in a tight, light-resistant container as defined in the USP/NF.

NDC 0185-0171-01

Sotaloi **Hydrochloride** Tablets

80 mg MAY

Rx only APPROVEDManufactured by:

100 Tablets

Eon Labs

Each tablet contains: Sotalol Hydrochloride....80 mg KEEP THIS AND ALL MEDICATION OUT OF THE REACH OF CHILDREN. ö Eon Labs Manufacturing, Inc. Laurelton, NY 11413

USUAL DOSAGE: See accompanying literature for complete prescribing information.

Store at controlled room temperature 15°-30°C (59°-86°F). Store in a dry place. Keep tightly closed. Avoid excessive heat.

Dispense contents with a child-resistant closure (as required) and in a tight, light-resistant container as defined in the USP/NF.

Issued 2/98

NDC 0185-0170-01

Sotalol **Hydrochloride** Tablets_{MAY}

120 mg PPROVE

Rx only

100 Tablets

Each tablet contains: Sotalol Hydrochloride...120 mg

KEEP THIS AND ALL AMEDICATION OUT OF THE PREACH OF CHILDREN.

Manufactured by:

Laurelton, NY 11413

Eon Labs Manufacturing, Inc. Zσ

Eon Labs

USUAL DOSAGE: See accompanying literature for complete information. prescribing

Store at controlled room temperature. 15°-30°C (59°-86°F). Store in a gay place. Keep tightly opened. Avoid excessive heat.

Dispense contents with a child-resistant closure (as required) and in a tight, light-resistant container as defined in the USP/NF.

Issued 2/98

NDC 0185-0170-05

Sotalol Hydrochloride Tablets

120 mg

Rx only 500 Tablets

Eon Labs

Each tablet contains: Sotalol Hydrochloride.....120 mg

KEEP THIS AND ALL MEDICATION OUT OF THE

Manufactured by: Eon Labs Manufacturing, Inc. Laurelton, NY 11413



Final Printed Labeling

ᅙ Exp. Date

USUAL DOSAGE: See accompanying literature for complete prescribing

Store at controlled room temperature 15°-30°C (59°-86°F). Store in a dry place. Keep tightly closed. Avoid excessive heat.

Dispense contents with a child-resistant closure (as required) and in a tight, light-resistant container as defined in the USP/NF.

Issued 2/98

NDC 0185-0177-01

Sotalol Hydrochloride Tablets

160 mg 🏋

APPROVE Danufactured by: Rx only

100 Tablets

Eon Labs

Each tablet contains: Sotalol Hydrochloride...160 mg

KEEP THIS AND ALL MEDICATION OUT OF THE REACH OF CHILDREN.

85-(Eon Labs Manufacturing, Inc. Laurelton, NY 11413

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USUAL DOSAGE: See accompanying literature for complete prescribing prescribing information.

Store at controlled room temperature 15°-30°C (59°-86°F). Store in a dry place. Keep tightly closed. Avoid excessive heat.

Dispense contents with a child-resistant closure (as required) and in a tight, light-resistant container as defined in the USP/NF.

Issued 2/98

NDC 0185-0177-05

Sotalol Hydrochloride **Tablets**

160 mg Rx only

500 Tablets

Eon Labs

Each tablet contains: Sotalol Hydrochloride.....160 mg

KEEP THIS AND ALL MEDICATION OUT OF THE BEACH OF CHILDREN.

MPPROVE Manufactured by:

Eon Labs Manufacturing, Inc. Laurelton, NY 11413



₫

USUAL DOSAGE: See accommenying literature for complete prescribing information.

Store at controlled room temperatures 18°-30°C (55°-86°F). Store in a dry place. Keep tightly closed. Avoid excessive heat.

Dispense contents with a child-resistant closure (as required) and in a tight, light-resistant container as defined in the USP/NF.

issued 2/98

NDC 0185-0174-01

Sotalol Hydrochloride Tablets_{MAY}

Eon Labs

240 mg

Rx only 100 Tablets Each tablet contains: Sotalol Hydrochloride...240 mg

KEEP THIS AND ALL MEDICATION OUT OF THE REACH OF CHILDREN.





Final Printed Labeling

Lot No.: Exp. Date USUAL DOSAGE: See accompanying literature for complete prescribing information.

Store at controlled room temperature 15°-30°C (59°-86°F). Store in a dry place. Keep tightly closed. Avoid excessive heat.

Dispense contents with a child-resistant closure (as required) and in a tight, light-resistant container as defined in the USP/NF.

Issued 2/98

NDC 0185-0174-05

Sotalol Hydrochloride Tablets

240 mg

Rx only

500 Tablets

Eon Labs

MAY 1 1 7

Each tablet contains: Sotalol Hydrochloride.....240 mg

KEEP THIS AND ALL MEDICATION OUT OF THE REACH OF CHILDREN.



Manufactured by: Eon Labs Manufacturing, Inc. Lauretton, NY 11413

Sotatel Hydrochloride Tablets MAY APPROVED P_x only

DESCRIPTION

exhibition is an ambarmythmic drug with Class II (Beta advanceceptor bit: .ing) and Class III contiac action abon prolongation) properties. It is supplied as a hight-blux, capsule-shaped tablet for oral administration, ochionice is a white, crystaline social with a molecular weight of 2008. It is hydrophic, soluble in incredible region of 2008. It is hydrophic, soluble in incredible and other properties of the interpretation of the contraction of

C12H20N2O3S44CI

M.W. 308,8

Each sotated hydrochloride tables for oral administration contains 80 mg, 120mg, 180 mg, or 240 mg of sotated hydrochloride Each tables also contains the following inactive ingredients: colloidal silicon diousle, FD&C blue #1 shammum lake, hydrochypropyl collulose, anhydrous lactose, lactose monohydrate, magnesium steatris, pregelatinized starch, and sodium starch gly-collie.

Restanting of Aster: Social has both beta-adrenorscoptor blocking (Vaughan Williams Class II) and cardiac action potential duration prolongation (Vaughan Williams Class III) antianthythmic properties. Socialel hydrochloride is a recemic moture of d-and I-sociald. Both somers here similar Class III antianthythmic effects, while the I-somer is responsible for virtually all of the beta-blocking ectivity. The both-blocking effect of socials is not cardioselective, half misminal all about 80 mg/day and misminal at doese between 320 and 640 mg/day. Social does not have partial agoinst or membrane stabilizing activity. Although significant best-blockade occurs at oral doese as low as 25 mg. Class III effects are seen only at daily doese of 180 mg and above.

Electrophipoloticity: Solated proteining the plateau phase of the cardina action potential in the solated mycoyle, as well in isolated besure preparations of ventreuter or afreal muscle (Class III activity). In imact animats it allows heart in decreases AV notici conduction and excreases the infractory periods of atrial and ventreuter muscle and conduction and consequent in man, the Class III activity in man, the Class III activity is a solated are manifested by increased axis or length (showed heart rate), decreased AV notici conduction and increased AV nodel instructions. The Class III later infractory period proteings not obtain the activity and ventreuter muscles. The Class III later infractory period proteings not atrial muscle, ventricular muscles, and almo-ventrouter accessory pathways (where press in both the anteriograde and retrograde directions. With oral doese of 150 to 540 mg/day, the surface ECG shows do related man increase of 40 to 100 msec in CT and 10 to 40 msec in CT; (See WARRINGS) for description relationship between CT_C and torsade de powder type arrhythmiss.) He significant alleration in CRS interval observed.

overveu. In a small study (n=25) of patients with implanted defibrillators treated concurrently with actaloi, the a threshold was 6 joules (range 2 to 15 joules) compared to a mean of 16 joules for a non-rando group primarily receiving annotations.

Hamedynamics: In a study of systemic hemodynamic function measured invasively in 12 patients with a mean LV spectron fraction of 37% and ventricular techycardia (8 sustained and 3 non-sustained), a median dose of 160 mg twice daily of social in lyadrochoride produced a 25% induction in heart rate and a 24% decrease in cardiac motor 3 hours post dosing at stately-table. Concurrently, systemic vescular reseatance and stroke volume showed non-significant increases of 25% and 8%, respectively. Pulmonary capillary wedge pressure increases displicately from 6.4 mm leg to 11.8 mm leg in the 11 pulmonary completely wedge pressure increases displicately from 6.4 mm leg to 11.8 mm leg in the 11 pulmonary amena pulmonary artery pressure and stroke work index did not significantly change. Exercise and supportersion induced tachycardia are entagonized by socials, and total pempheral resistance increases by a small amount.

In hypertensive patients, social produces significant reductions in both systellic and distribute better the marginal cardiac compensation as deterning the produces are described in the state of the production with marginal cardiac compensation as deterning on cardiac performance may occur. (See WARRINNES: Compensive Heart Fallers.)

soldate) is usually well-roberated home-dynamically, caution should be surrised in patients with marginal cardiac compensation as deterioration in cardiac performance may occur. (See WARIMMES: Comparation Heart Palbara.)

Chiefeal Astlenes: Solatol has been studied in life-intreatening and less severe arrhythmise. In patients with irrequent premature ventricular complexes (VPC), solatel was significantly superior to placebe in reducing VPCs, pared VPCs and non-austrated ventricular tackyradia (NBVT). In response was done related through 640 mg/day with 80 to 65% of patients having at least a 75% reduction of VPCs. Solatel was also explained, in the doese evaluated, to programated (40 to 80 mg (10) and serimler to questions (20) to 400 mg (80) in reducing VPCs. In patients with 81 to 165% of patients having at least a 75% reduction of VPCs. Solatel was also experter, at the doese evaluated, to programmed electrical stimulation (PSS) induced VT and by suppression of Holber monitor evidence of sustained VTI and, a south responders, chronically.

In a double-beind, randomized comparison of solatel and procalmanties given intravenously (total of 2 mg/day solatel) hydrochloride vs. 18 mg/flg of procalmantied over 90 minutes), solated suppressed PES induction in 30% of patients vs. 20% for procasmantie (pub. 21).

In a randomized dirinate that (Excitophysiologis Study Versus Electrocardiographic Monatoring (SVERI) Trial comparise holice of artistrythmic therapy by PES suppression vs. Holber monitor as election in each case folding a process of the process of the suppression vs. Holber monitor and process of the process o

ties and 3 serious harmodynamic/selectrical adverse events within two weeks of mittining socials.

Pharmocealizestics: In Vitability_subjects_n be oral biosnoubbility of sealed in 50 to 100%. After onal administration, peak pleame concentrations are resched in £5 to 4 hours, and desady-state pleame concentrations are sealed within 2 to 3 days (i.e., after 5 to 6 desea when _Bihmistered twice dely). Over the donage range 160 to 640 my/day socials hydrochlorized delayles done preparationally expenditured twice dely). Over the donage range 160 to 640 my/day socials hydrochlorized delayles deep reportalisative with respect to pleame concentrations. Distribution occurs to a control (pleames) and to peripheral conspartmellisative with respect to pleames concentrations. Distribution occurs to a control (pleames) and to peripheral conspartmellisative with respect to pleames concentrations with program occurs to the control (pleames) and to peripheral conspartmellisative that the day of the sea of the day of the day

subject to first-years remeasured.

IRIDICATION AND USABLE
Oral social by hydrochloride tablets are indicated for the trustment of documented ventricular arthythmics such as sustained ventricular tactycardia, that in the judgment of the physician are life-threatening. Bosovier of the pro-arrhythmic effects of socialor (See WildfillWIGS) including a 1.5 to 2% rate of torsade de positive or may 1/1/1/ in patients with either NSVT or superventricular arrhythmics, its use in patients with less owner arthythmic, even if the patients are symptomatic, is generally not recommended. Treatment of patients with paymptomatic ventricular promoters contractions should be

is generally not recommended. Treatment of patients with psymptometic ventricular preventure contractions should be avoided.
Initiation of solidal treatment or increasing doses, as with other autientrylatimes agents used to treat life therefore, and a second of the contraction of solidal treatment or increasing doses, as with other autientrylatimes agents used to treat life therefore, analysis considered the termination of the therefore, analysis considered the termination of the second of the second

CONTRAINDICATIONS

e is confraindicated in patients with bronchial asthmal sinus bradycardial second and third degree

WANISMENT POR Relianal Heart, Long and Blood institute a Cardiac Arthytimic Suppression Trial I (CAST I) was a long-turn, multi-center, deable-billed study in potients with asymptometic, non-life-development products of the control of the contro

The applicability of these results in contraposery demonstrated and accessesses with placeable. The applicability of these results in other populations (e.g., those without recent myocardial inflarction) and to other than Class I antianthylimize agents a uncertain. Soldable is devoid of Class i inflexts, and in a large (in 1.456) controlled that in placeable with a recent myocardial inflarction, who did not processed have ventral arthylimizes, soldain hydrochondrid did not produce uncreased mortality at doses up to 220 mg/day (see Claimad Addisons). On the other hand, in the large pool -inflarction study using a non-litrated with high doses (320 mg once dayly and in a second small randomized that in high-risk pool-inflarction patients treated with high doses (320 mg one dayly and in a second small randomized that in

nerly audion deaths.

Presently budden deaths.

Like other artiserthythmic agents, solated can provoks new or worsened ventricular arthythmics in some patients, inclining sustained ventricular tachycardia or ventricular infinitions, with potentially tatal consequences. Because of its effect on cardiac repotentation (IQF, priervel prolongation), torsade de pointes, a polymorphic ventricular tachycardia with prolongation of the Off visiteral and a shifting electrical zax is the most common form of prostrythmia associated with solated histochronde occurring as about 4% of high mark (hestory of sustained VTAF) patients. The raist of torsade de ponties progressively increases with prolongation of the CT interval, and a worsened also by reduction in name interval, and a worsened also by reduction in name potassems. (See Electralytic Blastenbases).

Because of the variable temporal recurrance of arthythmics, it is not always possible to destriguesh between a new or aggravated arthythmic event and the patient's underlying frythmic destroyer. (Note, however, that torsade de pontes as usually a drug induced arthythmian in people with an initially normal CT₂.) Thus, the incidence of drug-related events cannot be processed petermined, so that the occurrence cares provided must be considered approximations. Note about that drug-induced arrhythmian and the identified, periculately if they occur long after starting the drug, due to less frequent monotoring. It is claim from the MFN-opposited CMF of petitions only in restinant but that represent a sustained increased inch. Overall in claimed the total of, 43% of 25% petitions supervised a supervised petition of the contract trains with total of, 43% of 25% petitions approximately in the opposition of CT(CT₂) there was new or worsened sustained ventricular arrhythmic vents. In a special monotory and the starting the petition is supervised to a supervised petition of CT(CT₂) underly 18% of petitions can be sundered possible of the shelatey as sustained ventricular arrhythm

Percent Incidence of Torondo de Pointes and Maan QT_e Interval by Dose For Patients With Sustained VT/VF

Davly Dose (mg)	Incidence of Torsade de pointes	Mean QT _C ' (meec)
80	0 (60)	463 (17)
160	0.5 (832)	467 (181)
320	1.6 (835)	473 (344)
450	4.4 (450)	483 (234)
546	3.7 (324)	490 (185)
>840	5.4 (103)	512 (62)

, 3440 S. £ (103) S. £

Relationship Sebroom QT_E Interval Prolongation and

On-Therapy QT ₀ Interval (masc)	Incidence of Torsade de pointee	Change in QT _C Interval From Baseline (mesc)	Incidence of Torsade de pointes
lese than 500	1.3% (1787)	iose than 65	1.6% (1516)
500-525	3.4% (236)	65-80	3.2% (158)
525-550	5.6% (125)	= 80 -100	4.1% (146)
>550	10.8% (157)	100-130	5.2% (115)
		>130	7 1% (99)

() inuniors or passents assessed introplants events must be authoristated net only on liabilities therapy, but with every aprend does adjustment, introplants events must be considered on the considered of the

(see Ottherac auer anamems invarines).

Congestive Meads Felliance Symposithetic stimulation is necessary in supporting circulatory function in congestive heart fellulars, and but -felocidade curves the potential higher of further depressing myrocardial contractifity and precipitating more server Sellular. In patients who have congestive heart inlaive certricidal by rigidatis and/or districts, solital should be administered conditionably. In the sellular contraction in a stress which inditions thereby in patients with any evidence of life ventroster dynamics. An wife all beta-blockers, causion is software whose inditions theory in patients with any evidence of life ventroster dynamics. In premarkating statistics, new or worseand congestive learns failure (CPF) pocurate in 3.7% (n-3257) or patients and led to discontinuation in approximately 1% of patients receiving solitation. The incidence was higher in patients presenting with suctional-ventroster interventional fellulation (4.5%, n-1330), or a given fellower of heart fellular (7.5%, n-0305). Based on a like-table analysis, the one-year incidence of new or worseand CPF was 3% in patients without a prior hastory of 0.0%. IFVM Cassification was also accessed passessed to the incidence of new or worseand CPF was 3% in patients without a prior hastory of 0.0%. IfVM Cassification was also accessed passessed to the incidence of new or worseand CPF was 3% in 1365 Class I patients, 4.9% in 1254 Class III patients and 6.1% in 276 Class III of 9 politents).

Electrolyte Pisturbance: socials should not be used in patients with hypokalemie or hypomagnesemis prior to correction of imbalance, as these conditions can exagerate the degree of OT protongation, and increase the potential for formand de pointes. Special inflations inducted by given to electricity and acid-base balance in patients experiencing severa or protonged distribut or patients receiving concomitant distratic drugs.

Conduction Disturbance: Eccesive protongation of the QT interval (>550 masc) can promote serious arrhythmias and should be involved (see Preembylbanias above). Since bradycarda (higher rate less than 50 lpm) occurred in 13% of patients receives postable in distant trate, and let to decontinuation in about 3% of plannia. Bradycarda sheel increases the risk of brosses de postable. Since passes, since arrest and since node dystunction occur in less than 1% of patients. The incidence of End or 3rd - dispersal Mistakia appearaments! Ys.

Asste fills setated can be used safely and effectively in the long-term treatment of life-threatening vent mine following a myocardial inferction. However, expensions in the use of solution to treat cardiac arrhythm by phase of recovery from south MI is limited and at least at high indical doses in not reassuring. (See WARMI Mg.) In the first 2 weeks peat-MI eastlens is solvined and caraful dose litration is especially important, particular into with markedly impeared ventricular function.

The inflowing warrings are related to the ball-blacking activity of potatol.

Alared Williamsel: Hyperseelikhity to catacholismess has been observed in patients withdrawn from buta-blocker therapy. Occasional cases of esscarbation of angine pectoris, arrhythmias and, is some cases, myocardial infrarction have been reported after adrugid discontinuation of beta-blocker therapy. Therefore, it is prudent when discontinuing chronically administered octobility extricularly in patients with inchemic heart disease, it carefully monter the patient and consider the temporary use of an alternate bota-blocker of appropriate. It presible, the dosage of sotatol should be gradually reduced over a period of one to two weeks. If angine or acute coronary sunfficiency experience therapy should be instituted promptly. Philants should be wismed against interruption or discontinuation of therapy without the physicians subvious. Because coronary startly diseases is common and may be unrecognized in patients receiving sotatol, abrupt discontinuation in patients with arrhythmiss may unmask latent coronary insufficiency.

Non-Allergie Breechoopsum (e.g., chronic bronchitis and emphysems): PATIENTS WITH BRONCHOBPASTIC DISEASES SHOULD IN SENERAL NOT RECEIVE BETA-BLOCKERS. It is prudent, if stollo is to be administered, to use the smallest stepries dose, so that inhibition of bronchodilation produced by endogenous or exogenous calecholismins stimulation of beta; receptors may be minimized.

Anaphylasis: While taking beta-blockers, patients with a history of anaphylastic reaction to a variety of altergens may

exercise testing) in potents with a history of sussained VT VF who were also inducible to PES the effectiveness acctany and circonicatily of socials was compared with 6 other drugs (procamanies, quindine, manufacture), and an appreciation of social was compared with 6 other drugs (procamanies, quindine, manufacture), propatenone, impramine and permenel). Overall response rate for first drug introduced drugs, and 30% for the pooled other drugs. Audit response rate for first drug introduced using suppression of PES induction was 36% for socials via amen of 13% for their drugs. Using the folder monotinesy endowed (complete suppression of substance) via suppression of MSCI, 80% suppression of MSCI, 80% suppression of MSCI, 80% suppression of VPC pair, and at least 70% suppression of VPCs), socially velocity as 41% response, via 45% for the other drugs. Outstand, Among responsers placed on long-term thangy dentified acutely as effective by either PES or Hoteler), socials, when compared to the pool of other drugs, had the lowest two-year mortality (13% vs. 25%). Its lowest two-year mortality (13% vs. 25%), the lowest two-year via (23% vs. about 75 to 80%). The most commonly used doses of socials in this trial were 320 in 480 mg/day (66% of patients), with 15% receiving 240 mg/day (66% of patients), via a constitution of patients and 240 mg/day (66% of patients), via a constitution of patients and 240 mg/day (66% of patients), and 15% receiving 240 mg/day (66% of patients), and 15% receivi

thes and 3 serrous hemodynamicologicitical selvense events within two weeks of initiating solated.

Pharmacethinates: In healthy subjects, the oral bioexistability of social is 90 to 100%. After oral administration, peak plasma concentrations the reached in 2.5 to 1 hours, and stately-extent pleans a concentrations as attained within 2.0 d. days [i.e., after 5 to 6 doses when administrated hisco daily]. Over the desage range 180 to 140 my/day solated hydrochloride desirely dose proportionality with respect to pleasma concentrations. Desirely one cours to a central hydrochloride desirely dose and the perspect and the perspect of the plants concentrations. Desirely one procurs to a central in it rough plasma concentrations which are approximately one-half of those at peak.

Solatel inforced below for held to plasma professe and is not imitationable. Solated shows very little intersubject variability in plasma levels. The pharmacetimetes of fit of and I enanthemers of Solatel are sesentially identical. Solatel challenges the blood brain barrier poorly. Exerction is predominantly via the budgey in the unchanged form, and therefore lower doses are necessary in conditions of renal impairment (see DGABE ABIG ADMINISTRATION). Age per se does not significantly state the pharmacetimetes of solated, but impaired rank function in gentfice plasmas can increase the terminal estimates half-life, resulting in increased drug accumulation. The absorption of solated was subject to limit-pass metabolism, patients with hopein surplement estated metals. Stone solated is not subject to limit-pass metabolism, patients with hopein surplement show ne alteration in clearance of solated.

reduced by approximately 27th compended to feating when it was administered with a standard meal. Since adapted a net subject to Intri-Dass metabolishin, gatherits with hoppic impairment show me afteration in clearance of social standard process and process of the pro-provided control of the physical control of the pro-provided control of the provided cont

CONTRAINDICATIONS

COVI International turns

Station hydrotride in contraindicated in patients with bronchial asthma, saves bradycardia, second and third degree

AV block, unless a functioning pacemater is present, congenital or acquired long QT syndromes, cardiogenic shock,
uncontrolled congestive heart failure, and previous evidence of hyperseneatively to social

factage se Posttes

On-Therapy QT _C Interval (meac)	incidence of Torsade de pointes	Change in QT _C interval From Baseume (meet)	incidence of Toreade de
less then 500	1.3% (1787)	less than 65	1 6% (1516)
500-525	3.4% (236)	65-80	3.2% (158)
525-560	5 6% (125)	80-100	4 1% (146)
>550	10.8% (157)	100-130	5 2% (115)
		>130	7 1% (99)

() Number of patients assessed

() Number of patients assessed.

Proprint/these reveals must be antisipated as early as initiating therapy, but with every syward does originated.

Proprint/these reveals most often occur within 7 days of initiating therapy or of an increase in does, 75% of serious proprint/these formade its pointess and worseased VT) occurried within 7 days of initiating solatiol therapy, while 60% such events occurred within 3 days of initiation or a decape change. Initiating therapy as 80 mg 810 with gradual unward does forstoon and appropriate evaluation for effectly (e.g. PES or Hotels) and antisyl (e.g. Of interval, heart rails and efectivelytes) prior to does excistion, should induce risk of prearrhythmia. Avoiding excissive accumulation of solation in patients with dismandale rails (function, by appropriate dose reduction, should also reduce the risk of proarrhythmia (see DISABE ARIB ADMINISTRATION).

Coapeative Meet Follows: Sympothetic stimulation is necessary in supporting circulatory function in coapeative heart failure, and beta-blockade carries the potential hazard of further depressing myocardial contractibity and precipitating more severe tailure, and beta-blockate contracts the heave coapeative heart failure controlled by digitals and/or depress, social should be administered catebookly. Both digitals and socials alow MY conduction. As with all beta-blockers, custom is adverted when initiating therapy in patients with any evidence of left ventricular dysfunction in preventuring studies, neer or worsened collection (LHP) occurred in 3.7% (n.237) or platents and led to descontrantation in approximately 1% of patients and (LHP) occurred in 3.7% (n.237) or platents and led to descontrantation in approximately 1% of patients of the controlled controlled (LHP) occurred in 3.7% (n.237) or platents and led to descontrantation in approximately 1% of patients with any or controlled (LHP) occurred the section of the controlled (LHP) occurred to the controlled (LHP) occurred to the controlled (LHP) occurred (LHP)

Electrohyte Bioterbense: social of should not be used in patients with hypobalismus or hypomagnesismus prior to correction of imbelience, as these conditions can exaggerate the degree of CIT protongation, and increase the potential foot created de pointers. Sepoil affections should be gown to sectively as and acid-base balance in patients experiencing severe or protonged destribus or patients receiving concomitant distribut drugs.

veilles Bisiturbenues: Excessive prolongation of the QT oriental (>550 msec) can promote sensive arrhythmas and d be avoided (see Preembythmase above). Sinus bradysandre (heart rate less than 50 tipm) occurred in 13% of its researing sotabil in elimital trials, and led to descentination in about 3% of patients. Bradysardis itself increases it of tornade set pointes. Sinus pases, sinus arrest and sinus node dysfunction occur in less than 1% of patients. icidence of 2nd or 3nd - degree AV block is approximately 1%.

Recent Acute NR: cotabil can be used safely and effectively in the long-term treatment of Me-threatening ventricular arrhythmae following a proceedial infection. However, expenses in the use of sotable for local cardiac arrhythmae in the early phase of recovery from exacts file initiated and at least at high metal doses in not researing: [See WIRATHRISTS INSTITUTE]. In the first 2 weeks peat-ful castion is advised and careful dose tritistion in expectably exportant, particularly in patients with markedly impacted ventricular fundament.

All regit Williamsers: Hypersensitivity to catecholomines has been observed in patients withdrawel from bit therapy. Deceivant cases of estimate their of unique podories, arthythmes and, in some cases, repocardial haire been reported after although discontinuation of beta-blocker therapy. Therefore, it is prudent when short increases the process of the process of the process of the process of the consideration of the process of the proce

Non-Affergie Breambespeam (e.g., chronic bronchitis and emphysems): PATIENTS WITH SMORCHOSTRATIC BISEASES SHOWLS HIS SEREAL NOT RECEIVE SETA-BLOCKERS. It is printed, it contains to be administered, to use the smallest reflective dose, so that inhibition of bronchoddeton produced by endeganous or engenous calecholamine elementation of being receptors may be minimized.

Anaphylastic: While taking beta-blockers, patients with a history of anaphylactic reaction to a venety of allerg have a more severe negation on repeated challenge; delher accidental, degreated or therapeutic. Such patients unresponses to the usual doses of pemphrine used to treat the address reaction.

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Asserbasis: The management of patients undergoing major surgery who are being trialled with beta-blockers is controversid. Profincted severe hypothesion and difficulty in materials and maintaining normal cardiac rhythm other underlands have been reported in patients recovery absolutions.

Blabettes: In patients with debates (esponsitly labels desbettes) or with a history of openades of spontaneous hypo-ghourse, costed should be green with causion erice beta-blookeds may mask some propertiest previously

Sink Sinus Syndrome: Schold should be used only with extreme caution in patients with sick sinus syndrome associated with symptomatic arrhythming, because it may cause saves brodycardia, sinus passes or sinus arriset.

Threstonicistic. Sin-abscande may mask certain choiced signs (a.g., techyacetic) of hyperthyroidism. Patients suspected of developing thyrotocrooks should be managed cardully to avoid about withdrawd of beta-decisted which might be followed by an experiment of symmetry of hyperthyroidism, enchading thyroid atom.

PRECAUTIONS
Renol impairment: Setated is manimalfillumented wie the bidneys through glomorator Stration and to a small degree by testion research to the control may be setated by an experiment of the stration and to a small degree by testion research to the stration of the s

Assistanting times. Class is anterthythmic drugs, such as disopyramids, quintifine and processing mide and other Class III drugs (e.g., amoderone) are not recommended as concentrat therapy with estatel because of their posterial to profong references (see WARMINGS). There is only kinade department with the concentrate use of Class to or to artistanting the see of other beta-becaming agents concentrate.

Digezia: Single and multiple doses of sotatol do not substantially affect serum digezia levels. Prearthythmic events were more common in sotatol treated patents, also receiving digocal; it is not clear whether this represents an interaction or is related to the presence of CHF, a lower risk factor for preentythmia, in the patients receiving digocals.

Calabase blooking drugs: Sotatel should be administered with caution in conjunction with solcium blooking drugs become of possible additive effects on strowertrisate conduction or ventricular function. Additionally concentrant use of those drugs may have additive effects on blood pressure, possibly leading to hypoteneous.

Constitutional depicting agents: Concomitant use of catecholomine-depicting drups, such as resergine and paraethidae, with a lote-blocker may produce an accessive reduction of retiring sympathetic nervous income. Patients treated with socials plan a scienthinshme depictor should their action be despit monodered for produces of hypothesis and or market. solatel plus a catecholomine deplater she bradycardia which may produce syncope

insolfa and eral antidiabetist: hyperplycenie may occur, and the deege of insulin or antidiabetic drugs may require adjustment. Symptoms of hypoghycenia may be masked.

Beta-2-receptor plimatents: Beta-agoniets such as ealbutarnol, terbutaine and isoprenatine may have to be adm at increased doagse when used concomitantly with socials.

Cleviding: Beta-blocking drugs may potentiate the rabound hypertension sometimes observed after discontinuation of cloniding; therefore, caution is advised when discontinuing cloniding in patients receiving sould.

colunatic interactions were observed with hydrochlorothiszide or werterin.

Orage prolonging the QT Interret: Sotabl should be administered with castion in conjunction with other drugs known to prolong the QT interval such as Class I antientrytheric agents, phenothiganes, tricyclic articlepresents, terfenading and asternative (see WARMINESS).

ORDIFICATION Treat Interestinant: The presence of soluted in the urine may result in falsely structed levels of urinary metamophrine when measured by fluorinature or photometric methods. In acrossing patients suspected of being a photochromocytoms and being treated with soluted, a specific method, such as a high performance liquid chromatographic assay with solid place extraction (e.g., J. Chromatogr. 385.241, 1997) should be employed in electromated.

Caretnoquencies, Metagentelle, Impolarment of Fertility: No evidence of carcinogenic potential usus observed in rate during a 24 month study at 137 to 275 mg/hg/fely (approximately 20 times the immission recommended leutem core doce (IRMPO) as mg/kg of 3 times the IRMPO as mg/kg or 3 times the IRMPO as mg/kg or 3 times the IRMPO as mg/kg or 3 to 43 times the IRMPO as mg/kg or 35 to 43 times the IRMPO as mg/kg or 35 to 43 times the IRMPO as mg/kg. No stagnificant reduction in fertility occurred in rate at creat doces of 1000 mg/kg/day (approximately 100 times the IRMPO as mg/kg.) No stagnificant reduction in fertility occurred in rate at creat doces of 1000 mg/kg/day (approximately 100 times the IRMPO as mg/kg.) prior to mating, except for a small reduction in the number of offspring par Ities.

ordering or a myring for a similar termination of migratery profession and a stabilita during organogenesis at 100 and 22 times the sifferior and profession stabilitation in rate and rabbilita during organogenesis at 100 and 22 times the sifferior an engine or office single profession of the sifferior and profession

ADVERSE REACTIONS

During premarkshing trials, 3186 patients with cardiac arrhythmias (1353 with austained ventricular tachycardia) received and social, of whom 2651 received the drug for at least two weeks. The most important adverse effects are torsade de postess and other serious new ventricular striylminas (see WANIMINIS), ownering at raise of sinual 4% and torsade de postess are other serious new ventricular arrhythmias (see WANIMINIS), organizing at raise of sinual 4% and torsade de postess in clinical trials, and in 13% of patients treated for at least reverse; in 7% of all patients an eliminal trials, and in 13% of patients treated for at least reverse. The meet contens adverse reactions leading to discontinuation of socials are as follows: labelings 4%, insupervised (sees the 50 byth) 3%, dynama 3%, proarrhythmia 3%, sethering 2%, and distribute 3%. Occasional raperts of streated servers liver extynes have occurred with socials otherapy but no causes and effect relationship has been established. One case of peripheral neuropethy which resolved on discontinuation of socials and recurred when the patient was rechallenged with the drug was reported in an early does internant study. Evented blood glavoos levels and increased insulin requirements can occur in disbelic patients.

The following lable lists as a function of doesget the most common (incidence of 2% or grater) adverse events, regardless of relationship to therapy and the percent of selected common (incidence of 2% or grater) adverse events, regardless of relationship to therapy and the percent of selected common (incidence of 2% or grater) adverse events, regardless of relationship to therapy and the percent of selected second due to the event, as collected from clinical trails involving 1282 patients with austicated VTIVE.

Restriction

Restriction

Restriction

Common Times

**Common Ti

Tenformer (N.) Advance Breats and Discontinuations OALLY DOOR							
Body System	190 mg (n=832)	240 mg (n=2 6 3)	350 mg	480 mg (n=458)	640 mg (n=324)	Any Dees* (no 1292)	% Patient Discontinue (n=1292)
Body as a whole							(n-1664)
infaction	1	2	2	2	3	4	<1
lover	1	2	5 3	2	2	4	<1
localized pain	1 ,	 +-	÷ 2	2	2	3	<1
Cartiovassiar							
dyspnea	5	8	11	15	15	21	2
bradycardig	8		9	7	5	16	2
chest pen	4	3	10	10	14	16	<1
palphation	3	3		9	12	14	<1
edema	2	2	5	3	5	8	1
ECG abnormal	4	2	4	2	2	7	1
hypotension	3	4	3	2.	3		2
proarrhythmia	<1	<1	2	4	5	5	3
syncope		1	3	2	5	5	1
heart failure	2	3	2	2	2	5	t
presyncops	1	2	. 2	i	ž	i	41
peripheral vascular							
disorder	1	2	1	1	2	3	د1
cardiovescular disorde	1 1	٠,	2	2	ž	3	d
vasodilation	1	<1	Ť	2	ī	ă	د1
AICO Discharge	<1	2	2	,	ż	3	à
hypertension	<1	ī	ī	ī	,	ž	٠
Nervess					•	•	•••
fatique	5		12	12	13	20	,
dizzonesa	7	ě	11	11	14	20	- 1
asthenie	à	Š	j.	*	16	13	í
light-headed	i	3	Ġ	ě	á	12	i
headache	i	ž		- 1	- 1	i.	<u>.</u> 1
sleep problem	ī	i	5	š		i	-1
perspiration	1	ż	š	i i	5	ĭ	-11
aftered consciousness	2	3	i	;	3	i i	21
depression	1	,	,	,	1	- 1	- 1

o (%) of Advance Events and Discort SAALY DOSE

				Annes.			
Body System	160 mg (n=632)	240 mg (n=263)	320 mg (n=835)	480 mg (n=458)	640 mg (n=324)	Any Dose* (n=1292)	% Patiente Discontinue (n=1292)
paresthesia	1	1	2	3	2	4	<1
enciety	2	2	2	3	2	4	<1
more change	<1	¢1	1	3	2	3	<1
appetite disorder	1	2	2	1	3	3	<1
tirohe	<1	<1	1	1	<1	1	<1
Digastiva			•	•	•		
hausea/vomding	5	4	4	8	8	10	1
derrhee	2	3	3	3	5	7	<1
дувр оре ш <u>в</u>	2	3	3	3	3	6	<1
niaq lammobde	<1	<1	2	2	2	3	€1
colon problem	2	1	1	<1	2	3	<1
Retulence	1	<1	1	1	2	2	<1
Respiratory							
pulmanery problem	3	3	5	3	4		<1
upper respiratory traci							
problem	1	1	3	4	3	5	<1
and there	1	<1	1	1	1	2	e1
Urogenitei							
gendournary disorder	1	0	1	1	2	3	<1
etrual dyelunction	د1	1	1	1	3	2	</td
Matabolis							
abnormal lab value	1	Z	3	2	1	4	<1
weight change	1	1	1	<1	2	2	<1
Negotaphalata)							
extramely pain	2	2	4	5	3	7	<1
back pain	1	<1	2	2	2	3	<1
Bin and Appandages							
naith .	2	3	2	3	4	5	<1
Hemotologio							
hippoint	1	<1	t	<f< td=""><td>2</td><td>2</td><td><1</td></f<>	2	2	<1
lettel Semen							
riewal problem							<1

Pleasable Advance (Bladic: Foreign marketing experience with soluted shows an advance experience profile similar to their described above from crimical traits. Veluntary reports since introduction include rare reports (less than one report por 10,000 politics) or emotional indices, plately devoted sensormes, incoordination, vertige, parafysis, incomposition, investige, surface, incomposition continuous profiles from the continuous continuous synthesis and the continuous continuou

Symptoms and Treatment of Deprésage: The most common signs to be expected are bendyservin, sangustion hast infure, trypotensies, bronchaspasm and trypoglysemia. In cases of massive intentional overfiscage (2 to 16 grams) of social for following clinical fredday uses seen: hypotension, brodyserial, critical suppose, proteing print coreage do politics, ventricate indexperties, and premotine ventrouter completes. It is overdough costess, thereby "this social should be decembered and the patient observed steady. Benaue of the lock of protein brinding, benautharylight used for residency solded steams concentrations. Parkets should be capturily observed with CF steams are normalized and the beart rate returns to levels >50 bpm. In addition, if required, the following therapeutic measures are ouggestigif:

Cardiac Asystolic	Atropine, another antichelinergic drug, a bota-adronargic agonict or transveness cordias pacing.
Heart Black	(second and third degree) transvenous curtist personality.
Hypotensien:	(depending on associated factors) epinophrine rather than isoproterusel or nerepinephrine may be useful.

Branchospasis: Animophylline or aeroed beta-2-receptor stimulant

Rozanio de paintes: DC conflovorsion, transcenses cardige pasing, spanophrine, magnesium sullate.

Rorado de paintes: DC cardioversion, transvenous certiles pening, spraephrine, magnessum sulfate.

Octobel Alian Albiministractivos
An with other anticerhythesic agents, estalel hydrochloride should be initiated and deses increased in a hospital with familian for unrities registen monitoring and desessances (see MERICATIONS ASIS SUBARS). Soletio should be administrated only after agreements exhibit servenous (see MERICATIONS ASIS SUBARS). Soletio should be administrated for each policial on the leads of therapeadic sequence and biolation. Proserbythmic events are decor and only at initiation of therape, but she with neath separal desega adjustment. Decorphythesic events are decor and only at initiation of therape should be administrated by the second of the seco

Creatining	Coning*
Clearance	interval
ol/ob	(hours):
>60	12
30 - 50	24
10 - 29	36 - 48
<10	Dose should be individualized

*The initial date of 80 mg and subsequent dates should be administered at these intervals. See following paragraph for datase escalations.

Note the terminel disclaration half-life of satisfy in inscessed in patients with reset impairment, a turquer duration of downs in required to reset detail-value. Does excellations in reset also provide in reset also provide in the reset of the reset o

Translat to Salate!

Before during settlet, provious autientrythmic therapy should generally be withdrawn under careful monitoring for a minimum of 2 to 3 pleasm half-lives if the patient's clinical condition permits (see DRUS (NTERACTIONS). Translatent has been hibited in some patients receiving I.V. Identical has identified in discontinuation of amountained, solid hydrophicide cheald not be initiated until the QT interval in normalized (see NARMINES).

140W 2MPP 163

Scialal Hydrochloride Tablets are supplied as follows:

Sotales Hydrochloride Tablets, 80 mg - light blue, sepeute shaped tablets, secred on one side and imprinted & 171 on the other, are available in bettles of 100 tablets.

Solatel Hydrochlaride Tablets, 120 mg - light blue, especie shaped tablets, occred on one ade and imprinted 🗲 170 on the other, are evaluate in battles of 100 and 500 tablets.

Scialisi Hydrochloride Tablets, 160 mg - light blue, capsule shaped tablets, secred on one side and imprinted 🗲 177 on the other, are available in bottles of 100 and 500 lablets.

Scizalor Hydrochloride Tableta, 240 mg - light blue, capsule shaped tableta, accord on one side and imprinted & 174 on the other, are available in bottles of 100 and 500 tableta.

Store at controlled room temperature, 15" to 30" C (56" to 86"F). Store in a dry place. Keep tightly closed. Avoid excessive heat.

Dispense contents with a child resistant closure (as required) and in a tight, light-resistant container as defined in the USP/NE.

Manufactured By: Eon Labe Menufacturing, Inc. Eaurellon, NY 11413

Productes Use: The salety and effectiveness of totalety if regularize patients have not been established.

ADVERSE REACTIONS:

During primarizing trials, 3186 patients with caregive arrhythmas (1363 with sustained ventricular tachycardia) reserved oral scalet, of whom 2451 received the druff for it least two weeks. The most important adverse effects are torsade de pointers and other services new ventricular artificities less (MARININGS), sourcing at raise of amoust 4% and 1%, respectively, in the YT/F population, Overall, discontinuation because of unacceptable side-effects was necessary in 1% of all patients insteads for all least two weeks. The most common adverse reactions leading to discontinuation of solated are as follows: tatique 4%, bradycardia (see than 50 bpm) 3%, dyspines 3%, porarrhythmay 3%, astherma 2%. And discontinuation if ports of streads desruit liver occurred with solated therapy but no cause and effect relationship has been established. One case of peripheral neuropathry which resolved on discontinuation of solated and recurred when the patient was rechallenged with the drug was reported in an early dose toterance study. Elevated blood glucose levels and increased instain requirements can occur in disablic patients.

The Totioning label lists as a function of design the most common (incidence of 2% or greater) adverse events, regardless of relationship to therapy and the percent of patients discontinuated due to the event, as collected from clinical trials involving 1292 petients with sustained VT/Fix.

Incidence (%) of Ade

	-		DAIL	DOSE		-	
Body System	160 mg (n=832)	240 mg (n=263)	320 mg (n=835)	480 mg (n=459)	640 mg (n=324)	Any Does* (na 1292)	% Patier Discontinu (n=1292
Sody as a whole			_	_			
infection		2	3	?	3		<1
fever	1	2	3	2	2	•	<1
localized pain Cartilegassyles	1	ī	2	2	2	3	<1
dyspnes	5	8	11	15	15	21	2
bradycardia		8	۵	7	5	16	ž
chest pain	ă	ž	10	10	14	16	« 1
palodation	3	3	1	9	12	14	el
edema	2	ž	5	3	5		1
ECG abnormal	Ă	ž	4.	2	2	7	1
hypotension	3	4	3	2	3	6	2
proarrhythmia	<1	<1	2	4	5	5	3
SYRCODE	1	1	3	2	5	5	Ť
heart failure	2	3	2	2	2	5	1
DESCYNCODS	1	2	2	4	3	4	<1
peripheral vascular							
disorder	1	2	1	1	2	3	<1
cardiovescular disords	r 1	<1	2	2	2	3	<1
vasodilation	1	<1	1	2	1	3	<1
AICO Discharge	<1	2	2	2	2	3	<1
hyperlansion	<1	t	1	1	2	2	<1
Norveus							
fatigue	5	8	12	12	13	20	2
dizzinesa	7	6	11	11	14	20	1
asthenie	4	5	7		10	13	1
light-headed	4	3	6	6	9	12	1
headache	3	2	4	4	4	8	<1
sisep problem	1	i	5	5	6	8	el
perspiration	t	2	3	4	5	6	<1
altered coneciousness	2	3	1	2	3	4	<1
depression	1	2	2	2	3	4	<1

DOSAGE AND ADMINISTRATION

DOBAGE AND ADMINISTRATION As a solution hydrochlorude should be withsted and does increased in a hospital with lacidiase for cardiac rhythm monitoring and assessment (see IMBECATIONS AND USANES). Solishi should be administered only after appropriate chinical assessment (see IMBECATIONS AND USANES), and the degree of solicial value be endividually for such patient on the basis of therapsistic response and television. Property/fence events can occur not only at indistipon of through, the about his each upward dosage delicenters.

Dosage of solatic should be adjusted gradually, allowing 2 to 3 days between design gradually in order to attach

for each patient on the basel of therapeutic response and lateranes. Properflythenic avents can occur not only at inhabbon of therapy, but also with seath upward disease adjustment. Occaye of solatal should be adjusted gradually, allowing 2 to 3 days between dosing increments in order to attain steedy-state placents concentrations, and to allow membrane of 0T intervals. Gradual dose adjustment will help prevent the usage of doses which are higher than necessary, sters appropriate valuation to 240 or 220 mg/day (120 to 160 mg terce day). This dose may be increased, if increasely, after appropriate valuation to 240 or 220 mg/day (120 to 160 mg terce day). In most patients, a therapeutic response is debtained at loads dayly dose of 180 to 220 mg/day (120 to 160 mg/m terce days), and a second of 180 to 220 mg/day (120 to 160 mg/m). The contraction of the contr

Desage in Recel Impeliment: Because soluted a excisted predominantly in urine and its terminal elimination half-life is prolonged in con-read impeliment. The desiring interval (time between divided doses) of solution should be modified (when clearance is lower than 60 ml/mm) according to the following table.

Creekmine	Decing*
Clearance	Interval
mL/mm	(hours)
>60	12
30 - 50	24
10 - 29	36 - 48
e10	Dose should be indisedualize

*The initial dose of 80 mg a for dosage escalations.

collected: findings is patients requiring clarenic termodistysis is limited to six patients in two obtains. In these termonal plannation half like is prolonged to 40 hours at the intertainty is part and approaches? Fours always it is estimated that 20% to 40% of obtaind is removed during elabors and that a slight redound of pleasm attended to a size of the control of the control

ize to Science!

I starting socialel, provious antigrrhythmic therapy should generally be withdrawn under careful monitoring for a uram of 2 to 3 plasma half-lives if the potient's clinical condition permits (see DRUS [I]TERACTIONS), need has been mistared in some positions receiving IV, informer unthent if offset. After discontinuation of larrane, socialel hydrochloride should not be initiated until the OT interval in normalized (see WARINIOSS).

of Hydrochloride Tablets, 80 mg - light blue, capaule shaped tablets, scored on one side and imprinted ϵ 171 on their are mailable in botton of 100 tablets.

orido Tabloto, 120 mg - light blue, capsule Bable in battles of 100 and 500 tablots.

tel Hydrochloride Tableta. 160 mg - light blue, capeule shaped lablets, scored on one side and imp Wher, are available in bottles of 100 and 500 tablets.

icl Hydrochloride Tablets, 240 mg - light blue, caps: ther, are available in bettles of 100 and 500 lablets.

e at controlled room temperature, 15° to 30° C (50° to 86°F) e in a dry place. Keep lightly closed. Avoid excessive heat.

Disponse contents with a child resistant cleave (as required) and in a tight, light-reveta USP/NE.

Manufactured By: Eon Labe Manufacturin Laureline MY 1145

Assay Methodology:

Method: The plasma samples were analyzed for sotalol concentration by

detection. Sotalol was extracted from an aliquot of human plasma using a then injected into the The method validation has previously been discussed in the fasting study. The within-study validation data have been presented below.

Date of preparation of OC Samples: February 4, 1998

Within-study validation:

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Interday Precision from Standards:
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- 1.78% (CV) at 4.40 ng/mL; N=8
- 2.22% (CV) at 260.0 ng/mL; N=8
- 1.23% (CV) at 2000.0 ng/mL; N=8
- 2.01% (CV) at 2600.0 ng/mL; N=8

Intraday Precision from QC Samples:

- 6.21% (CV) at 4.40 ng/mL; N=8
- 1.34% (CV) at 22.00 ng/mL; N=8
- 1.46% (CV) at 790.0 ng/mL; N=8
- 2.51% (CV) at 2100.0 ng/mL; N=8
- 3.03% (CV) at 2600.0 ng/mL; N=8

Interday Precision from Standards:

- 4.37% (CV) at 22 ng/mL; N=16
- 2.22% (CV) at 790.0 ng/mL; N=16
- 1.23% (CV) at 2100.0 ng/mL; N=16

Stability: Same as mentioned in the fasting study

Results:

Eighteen (18) subjects plus 6 alternates were enrolled in the study and 21 subjects completed the study. Subject #10 was withdrawn prior to dosing Period 2 and subject Nos. 01 and 25 were withdrawn prior to Period 3. According to the protocol of the study, 18 subjects data were used in the statistical and pharmacokinetic analyses. Allof the adverse events were mild or moderate in severity. No perious adverse events occurred during the study and no medication was required for any clinical complaint. There were few protocol deviations (minor) reported during the study. The actual blood collection times were used for the calculations of the values for the pharmacokinetic parameters. The Mean Plasma sotalol level and mean pharmacokinetic parameters derived from the plasma levels are presented in Table 3 (and in Fig.2 attached) and Table 4, respectively.

<u>Table 3</u> <u>Mean Plasma Sotalol Levels (ng/mL)</u>

Time (hour)	TEST (A) Rêd	Reference (B) Fed	Test (C) Fasted
Pre-dose	0	0	0
0.5	55.14 (212)	43.24 (146)	336.32 (65)
1.0	248.80 (101)	287.85 (111)	770.96 (60)
1.5	576.15 (74)	712.57 (64)	916.99 (49)
2.0	811.08 (50)	943.64 (39)	1093.23 (38)
2.5	1006.25 (33)	1099.49 (23)	1252.09 (24)
3.0	1073.86 (22)	1130.41 (18)	1262.28 (19)
3.5	1093.01 (15)	1103.67 (15)	1178.75 (17)
4.0	1101.92 (14)	1083.39 (14)	1166.49 (15)
4.5	1069.62 (14)	1052.26 (14)	1111.48 (16)
5.0	1055.91 (16)	1028.34 (14)	1058.26 (15)
6.0	917.93 (17)	881.98 (16)	906.64 (15)
8.0	750.26 (17)	721.04 (15)	738.27 (15)
10.0	632.53 (19)	606.58 (18)	617.06 (17)
12.0	516.22 (17)	500.38 (16)	507.02 (17)
14.0	417.09 (21)	411.75 (20)	413.36 (17)
16.0	352.79 (21)	341.16 (20)	341.48 (16)
24.0	196.06 (23)	190.25 (22)	189.33 (21)
36.0	79.31 (27)	80.12 (28)	75.36 (22)
48.0	37.61 (32)	38.14 (31)	39.17 (32)
60.0	17.58 (52)	18.02 (38)	18.11 (36)

Number of Subjects 18; *Coefficient of Variation (CV%)

<u>Table 4</u>

<u>Mean Pharmacokinetic Parameters for Plasma Sotalol</u>

Parameters (Arithmetic Means)	Test(A) FED	_Ref.(B) Fed	Test (C) Fasted		
AUC _{0-T} (ng.hr/mL)	15544.64 (15)	15436.81 (13)	16333.05 (14)		
AUC _{0-inf} (ng.hr/mL)	15828.81 (15)	15714.43 (13)	16622.60 (14)		
C _{MAX} (ng/mL)	1233.92 (13)	1269.28 (13)	1463.76 (18)		
T _{max} (hour)	3.28 (34)	2.97 (37)	2.75 (36)		
t1/2 (hour)	10.42 (14)	10.61 (11)	10.83 (15)		
KE (1/hour)	0.0676 (13)	0.0660 (10)	0.0653 (14)		
Parameters (Using Least Squares Means)				A/B	C/A
LnAUC _{0-T}	9.616763	9.616318	9.667155		-
(ng.hr/mL)	15014.37	15007.69	15790.36	1.00	1.05
LnAUC _{0-inf} (ng.hr/mL)	9.635660	9.634685	9.685955		
Geom. Mean	15300.79	15285.88	16099.02	1.00	1.05
LnC _{MAX} (ng/mL) Geom. Mean	7.098560 1210.22	7.129880 1248.73	7.262394 1425.66	0.97	1.18
					*

Number of Subjects 18; * Coefficient of Variation (CV%)

Pharmacokinetic and statistical analyses of the data resulting from the single-dose oral administration of 1x160 mg sotalol under both fee and fasted conditions indicated that food had a comparable effect on the bioavailability of the test and reference formulations. The differences in the least-squares mean values for $LnAUC_{0-t}$, $LnAUC_{0-inf}$ and LnC_{max} for sotalol between treatments A and B were equal or less than 3%.

In-Vitro Dissolution: The firm has conducted dissolution testing on the 80, 120, 160 and 240 mg tablets of the test and reference products, and requested a waiver of in vivo bioequivalence study on 80, 120 and 240 mg tablets.

Table 5. In Vitro Dissolution Testing

Drug: Sotalol Hydrochloride Tablets Dose Strengths: 80 mg, 120 mg, 160 and 280 mg
AND No.: - 75-366
Firm: Eon Labs Manufacturing, Inc.

Submission Date: May 22, 1998

Conditions for Dissolution Testing: (FDA method)

USP XXIII Paddle RPM: 50 No. Units Tested: 12 Medium: Water at 37°C

Volume: 900

Firm's Proposed Specifications:

Assay Methodology

II. Result	s of In Vitr	o Dissolution	Testing:						
Sampling Times (Minutes)	Sotalol Hy Lot # 9709	Test Product Sotalol Hydrochloride Tablets Lot # 970908 Strength 80 mg			Reference Product Betapace ³ Lot # W70068 Strength 80 mg				
	Mean %	Range%	%CV	Mean %	Range%		€CV		
5	37.5	<u> </u>	10.6	30.2	:		15.8		
15	82.8	- : <u> </u>	4.8	89.8	⊥ :		6.5		
30	101.0		1.5	98.5	_՝ ։	1	3.2		
45	101.5	_ <u>: </u>	0.9	100.2	<u> </u>	<u>L</u>	2.6		
60	101.7	!-10. 4	0.8	100.4		3	2.7		
Sampling Times (Minutes)			ablets	Betapace Lot # 19					
5	33.6	••	12.3	24.3	<u>:</u> :		7.9		
15	81.0	. : <u> </u>	6.1	86.8			6.5		
30	100.2	-)	0.6	100.7	L .		0.8		
45 -	100.7	<u>. ; ; </u>	0.6	102.1	L .		0.8		
60	100-3		0.6	102.7		0	0.7		

II. Resul	ts of In Vitr	o Dissolution	Testing:				
Sampling Times (Minutes)	Sotalol Hy Lot #'9709	Test Product Sotalol Hydrochloride Tablets Lot # 970901 Strength 160 mg			Reference Product Betapace [®] Lot # W70049 Strength 160 mg		
	Mean %	Range%	3CV	Mean %	Ranges	₹CV	
5	34.6	, 	7.9	23.6	<u>l</u> :	8.9	
15	77.9	<u> </u>	6.5	84.7	┷	3.7	
30	99.4	<u>)</u>	0.8	96.9	<u> </u>	1.8	
45	100.0	<u> </u>	0.8	99.5	<u> </u>	1.2	
60	100.0		0.7	100.6	95.4-102.5	0.9	
Sampling Times (Minutes)			T ablets	Betapac Lot # W	Reference Product Betapace ^a Lot # W50048 Strength 240 mg		
5	27.1	<u> </u>	9.2	25.3	-2	10.5	
15	67.3		6.8	84.5	<u> </u>	4.8	
30	96.5		2.3	96.2	<u> </u>	1.8	
45	99.4	. 4 _	0.7	98.8	9 1	1.3	
60	99.7	-1	0.7	99.9	9	1.2	

The dissolution data for 80, 120, 160 and 240 mg tablets of the test product are acceptable. However, the Agency recommended dissolution Specifications is minutes.

Compositions:

The comparative compositions of the test tablets, 80, 120, 160 and 240 mg, are presented in Table 6 attached herewith. The compositions of 80, 120 and 240 mg tablets are proportional to that of 160 mg tablet on which the bioequivalence study was conducted.

Comments:

1. The firm's <u>in vivo</u> bioequivalence study conducted under fasting conditions on the test product, Sotalol Hydrochloride Tablets, 160 mg of Eon Labs Manufacturing Inc. and the reference product, Betapace Tablets of Berlex Laboratories is acceptable.

- 2. The fixm's in vivo bioequivalence study conducted under non-fasting conditions on the test product, Sotalol Hydrochlofide Tablets, 160 mg of Eon Labs Manufacturing Inc. and the reference product, Betapace Tablets of Berlex Laboratories is acceptable.
- 3. The <u>in vitro</u> dissolution testing conducted on the 80 mg, 120 mg, 160 mg and 240 mg tablets of the test product is acceptable.
- 4. The formulations of the test product, 80 mg, 120 mg, and 240 mg tablets are proportionally similar to that of the 160 mg strength of the test product which underwent bioequivalency testing. The waiver of <u>in vivo</u> bioequivalence study requirements for 80 mg, 120 mg and 240 mg tablets of the test products is granted.

Recommendation:

- 1. The <u>in vivo</u> bioequivalence studies conducted by Eon Labs Manufacturing Inc. under fasting and non-fasting conditions on the test product, Sotalol Hydrochloride Tablets, 160 mg, lot #970901, comparing it to the reference product, Betapace[®] Tablets of Berlex Laboratories have been found acceptable by the Division of Bioequivalence. These studies demonstrate that Sotalol Hydrochloride Tablets, 160 mg of Eon Labs Manufacturing Inc. is bioequivalent to the reference product, Betapace[®], 160 mg Tablets manufactured by Berlex Laboratories.
- 2. The in vitro dissolution testings conducted by Eon Labs Manufacturing Inc. on its Sotalol Hydrochloride Tablets, 160 mg, lot #970901, comparing it to the reference product, Betapace Tablets of Berlex Laboratories is acceptable. The dissolution testing should be incorporated into the firm's manufacturing controls and stability program. The dissolution testing should be conducted in 900 mL of water at 37°C using USP XXIII apparatus II (paddle) at 50 rpm. The test product should meet the following specifications:

Not less than of the labeled amount of the drug in the tablet is dissolved in 30 minutes.

3. The <u>in vitro</u> dissolution testing conducted by Eon Labs Manufacturing Inc. on its Sotalol Hydrochloride Tablets, 80

mg, 120 mg, and 240 mg is acceptable. The formulations of the 80-mg, 120 mg and 240 mg strengths are proportionally similar to that of the 160 mg strength of the test product which underwent bioequivalency testing. Hence, the waiver of in vivo bioequivalence study requirements for 80 mg, 120 mg and 240 mg tablets of the test product is granted. The 80 mg, 120 mg and 240 mg tablets of the test product are therefore deemed bioequivalent to the 80 mg, 120 mg and 240 mg Betapace^R Tablets, respectively, manufactured by Berlex Laboratories.

Sixtofrodhan

Sikta Pradhan, Ph. D. Division of Bioequivalence Review Branch I

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10/27/28

Date 10/27/98

Concur:

Dale P. Conner, Pharm.D.

Director, Division of Bioequivalence

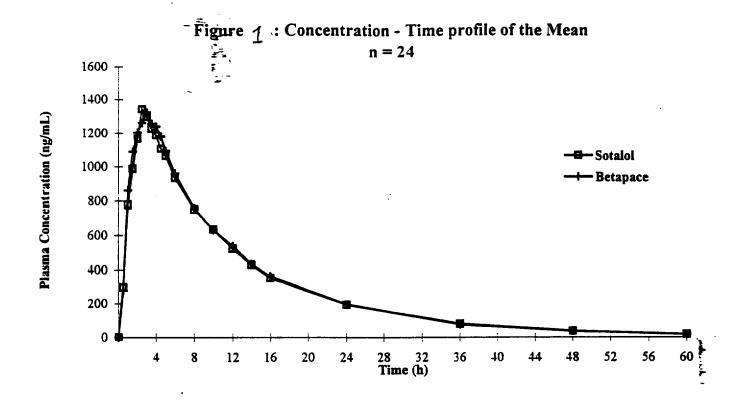
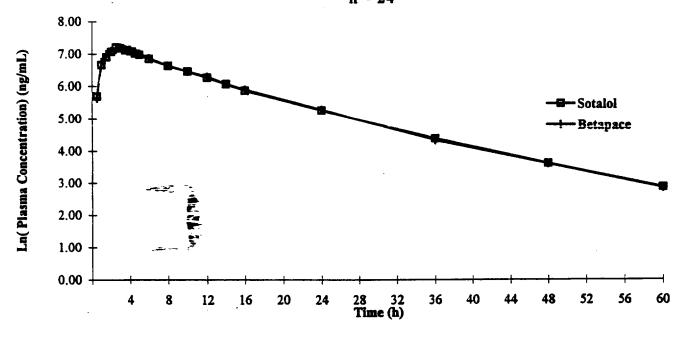


Figure 25b: LN(Concentration) - Time profile of the Mean n = 24



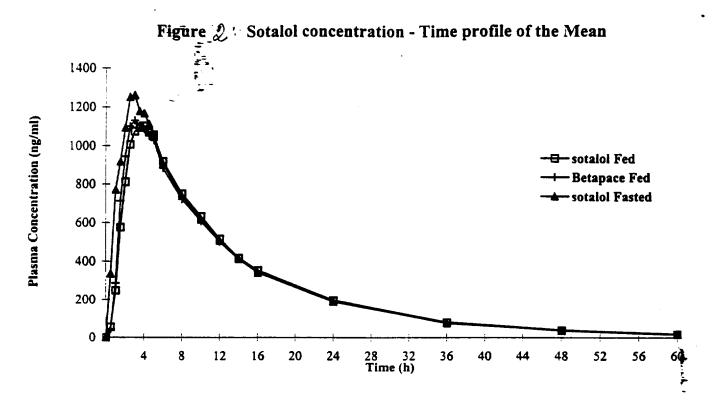


Figure 19b: Sotalol LN(Concentration) - Time profile of the Mean

